Digital core and cuttings technical services

The digital core technology services make the cores non-destructive and permanent preservation through digital scanning and analysis of cores; digital cuttings technology services obtain real-time information on reservoir lithology, physical properties, oil content and other information through digital scanning and analysis of cuttings, and quickly evaluate reservoirs , to help customers make quick decisions, optimize well completion and stimulation solutions, and achieve optimal drilling performance.

Service Content：

1. Full-diameter core digital scanning analysis service

Based on rock CT+ high-speed multi-dimensional scanning imaging technology, full-diameter core is scanned and analyzed to achieve non-destructive and permanent preservation of core

2. Plunger sample/micro sample digital scanning analysis service

Based on rock CT+ scanning electron microscopy + high-speed multi-dimensional scanning imaging + cutting-edge artificial intelligence + extremely fast and accurate simulation, digital scanning analysis of plunger samples/micro-samples, providing mineral composition, porosity, pore radius, pore throat radius, coordination number and other parameters

3. Drilling cuttings digital scanning and analysis service

Based on CT+ scanning electron microscopy + energy spectrum + nuclear magnetic field, scan and analyze the cuttings at the drilling site, provide important parameters such as minerals, porosity, pore throat structure, Poisson's ratio, Young's modulus, brittleness index, etc., to quickly evaluate reservoirs and provides basis for fracturing design and optimization.

Service Advantage

1. Multi-professional research and on-site implementation expert team
2. Completely equipped and efficiently integrated digital core cuttings software and hardware system
3. Rich experience in digital core cuttings service

Service Performance

Accurate fracturing services for shale gas and tight gas in China's Sichuan Basin and Ordos Basin have been highly praised by the owners.